

TECHNICAL DATA

Features

- Measures air velocity (m/s, ft/min, km/h and mph), air temperature and humidity
- Easy to operate, designed for one hand operation
- Integrated display provides flexibility for use without mobile device
- Magnetic backing allows instrument to be mounted to metallic surfaces
- Data Hold function
- Low battery indicator and auto shut off
- Tripod mount for long-term monitoring

When used with REED Smart Series App:

- Calculates air volume
- Real-time data logger
- User selectable sampling rate from 1 to 120 seconds
- Bluetooth® 5.0 provides connectivity to instruments up to 246' (75m) away
- Connect, measure and datalog up to 6 instruments, simultaneously
- Easy setup with automatic app integration for compatible REED Smart Series instruments
- Export data via Excel or PDF and create custom reports that can be emailed from mobile device
- Includes 4 x AAA batteries and protective cap



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Specifications

Air Velocity (Anemometer)

| | |
|------------------|---|
| Measuring Range: | fpm: 118 to 4921 m/s: 0.6 to 25 km/h: 2.1 to 90 mph: 1.3 to 55.9 |
| Accuracy: | fpm: $\pm(40\text{fpm} + 3.5\%)$ m/s: $\pm(0.2\text{m/s} + 3.5\%)$ km/h: $\pm(0.8\text{km/h} + 3.5\%)$ mph: $\pm(0.5\text{mph} + 3.5\%)$ |
| Resolution: | fpm: 1 m/s: 0.1 km/h: 0.1 mph: 0.1 |

Temperature

| | |
|------------------|--|
| Measuring Range: | -4 to 140°F (-20 to 60°C) |
| Accuracy: | -4 to 32°F (-20 to 0°C): $\pm 1.6^\circ\text{F}$ (0.8°C) 32 to 140°F (0 to 60°C): $\pm 1^\circ\text{F}$ (0.5°C) |
| Resolution: | 0.1°F/°C |

Humidity

| | |
|------------------|---|
| Measuring Range: | 0 to 100% RH |
| Accuracy: | 20 to 80% RH: $\pm 3.5\%$ rdg. 0 to 20% & 80 to 100% RH: $\pm 5\%$ rdg. |
| Resolution: | 0.1% RH |

General Specifications

| | |
|---------------------------------|--|
| Display: | Multi-Line Enhanced Black Twisted Nematic (EBTN) LCD |
| Display Size: | 1.3" (34mm) |
| Backlit Display: | Yes |
| Data Hold: | Yes |
| Datalogging Capabilities: | Yes (with Smart Series App) |
| Real-Time Clock and Date Stamp: | Yes (with Smart Series App) |
| Customizable Sampling Rate: | Yes |
| Overrange Indicator: | Yes |
| Auto Shut-off: | Yes (adjustable) |

| | |
|-----------------------------|--|
| Tripod Mountable: | Yes |
| Magnetic Backing: | Yes |
| Low Battery Indicator: | Yes |
| Power Supply: | 4 x AAA Batteries |
| Battery Life: | Approx. 50 hours (sampling time dependent) |
| Connectivity: | Bluetooth® 5.0 |
| Bluetooth® Range: | Up to 246' (75m) |
| Max # of Connected Devices: | 6 |
| Software: | REED Smart Series App (iOS and Android) |
| App Supported Languages: | English, French |
| Product Certifications: | CE, UKCA, FCC, IC ID |
| Maximum Operating Altitude: | 6561' (2000m) |
| Operating Temperature: | -4 to 122°F (-20 to 50°C) |
| Storage Temperature: | -4 to 140°F (-20 to 60°C) |
| Operating Humidity Range: | 10 to 90% |
| Storage Humidity Range: | 10 to 90% |
| Dimensions: | 6.9 x 1.5 x 1" (175 x 38 x 25mm) |
| Weight: | 3.8oz (108g) |

R1600-KIT

Data Logging Smart Series Vane Anemometer with Tripod and Carrying Case

Includes:
R1600 Vane Anemometer,
R1500 Tripod and CA-05A
Medium Soft Carrying Case



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R16X0-KIT

Data Logging Bluetooth
Smart Series Kit

Includes:
R1600 Vane Anemometer,
R1610 Thermo-Hygrometer,
R1620 Sound Level Meter,
R1630 Light Meter,
R1640 Thermocouple
Thermometer and R9950 Large
Soft Carrying Case



R16X0-KIT2

Data Logging Bluetooth
Smart Series Environmental Kit

Includes:
R1600 Vane Anemometer,
R1620 Sound Level Meter,
R1630 Light Meter and
CA-05A Medium Soft
Carrying Case



R16X0-KIT3

Data Logging Bluetooth
Smart Series HVAC Kit

Includes:
R1600 Vane Anemometer,
R1610 Thermo-Hygrometer,
R1640 Thermocouple
Thermometer, R2970 Type K
Pipe Clamp Thermocouple Probe
and CA-05A Medium Soft
Carrying Case



| Model | Description |
|------------|---|
| R1600 | Vane Anemometer |
| CA-52A | Small Soft Carrying Case |
| R8888 | Medium Hard Carrying Case |
| R1500 | Tripod |
| R1600-KIT | Data Logging Smart Series Vane Anemometer with Tripod and Carrying Case |
| R16X0-KIT | Data Logging Bluetooth Smart Series Kit |
| R16X0-KIT2 | Data Logging Bluetooth Smart Series Environmental Kit |
| R16X0-KIT3 | Data Logging Bluetooth Smart Series HVAC Kit |
| R1600-NIST | Vane Anemometer & NIST |